DESCRIPTION

CZ126 is a dezincification resistant brass with excellent cold working properties and a pure α -structure. This alloy is used for applications in warm, acidic waters. CZ126 is also suitable for coining, riveting, crimping, flanging, cold extrusion or other cold working operations.

CHEMICAL COMPOSITION

	Elements	is units the	P.R.H.H.	Min (%)		S MENTE.	GRJHATT .	Max (%)	A)
3 META	Cu	BEZZ		68.50	HWE WILL	FB July	,	71.50	S MS ME
a Cill Halis	Pb		CMETA	HANE -	P.P.JI.	.5	ME IN	0.07	P.B.JHI
49	Fens	"EWELL	a litterie		15	E WILL THE	HARIS	0.05	S
I.E. TALS	As	ERIHAI	40	0.02	"EMELL	CO. HARDS	P.P.	0.06	C ME IN
.HAME WIT	Total Others	5	SETALS.	ME ME	Altha	100	TALS	0.20	allifallis
Bull	Zn	MEIALE	HWE MI	PWIH	C.	Remainder	MeMil	EVIII	10

MECHANICAL PROPERTIES ACCORDING TO BS271 (AS PER TEMPER 1/2H)

Range (n	nm) ^{Aldridge}	From	To	UTS Min (N/mm2)	PS Min (N/mm²)	Elongation Min (%)	Hardness Min (HV)	Hardness Max
Round (E	oia) 🔝	1.5	75.00	400	- ETALS	11/2 2/11	130.00	-
Hex (A/	F)	3.00	70.00	400	. <u>18</u> 8 Mil	Plyliff	130.00	TALS - USA
Square (/	A/F)	3.00	60.00	400	P.P.Ily	_	130.00	Mr CUHAN

PHYSICAL PROPERTIES

Electrical conductivity %IACS	28%
Thermal conductivity W/(m·K)	126
Thermal expansion coefficient (0–300 °C)	10-6/K 19.7
Density	8.55 g/cm3
Modulus of elasticity	114 Gpa

TYPICAL USES

- > Architecture
- > Automotive
- Builders Hardware
- > Consumer
- > Electrical
- > Fasteners
- Industrial
- Ordnance
- > Plumbing

FABRICATION PROPERTIES

Technique	IEINES INSIN	Suitability
Machinability (CuZ	(n39Pb3 = 100 %)	25%
Capacity for being	cold worked	Excellent
Capacity for being	hot worked	Fair
Resistance welding	g (butt weld)	Good
inert gas shielded	arc welding	Fair
Gas welding	S WEINE	Good
Hard soldering	HAME	Excellent
Soft soldering	by.	Excellent
Melting range	ANS.	910-965 °C
Hot working	. We high	750 - 870 °C
Soft annealing (1-3	3 h)	450-680 °C
Thermal stress reli	eving (1-3 h)	200-300 °C
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